

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (previously presented) A purified human seven-pass transmembrane receptor protein having the amino acid sequence of SEQ ID NO:2.

2. (currently amended) A purified peptide which is a fragmentary sequence selected from the group consisting of the 6th to 32nd amino acid residues of SEQ ID NO:2, the 1st to 23rd amino acid residues of SEQ ID NO:2, the 1st to 35th amino acid residues of SEQ ID NO:2, the 96th to 108th amino acid residues of SEQ ID NO:2, and the 172nd to 198th amino acid residues of SEQ ID NO:2, ~~and the 681st to 726th amino acid residues of SEQ ID NO:2.~~

3. (original) An isolated DNA encoding the seven-pass transmembrane receptor protein of claim 1.

4. (original) The isolated DNA according to claim 3, having the nucleotide sequence of SEQ ID NO:1.

5-9. (canceled without prejudice)

10. (previously presented) A seven-pass transmembrane receptor protein prepared by a process which comprises:

(a) ligating, to a replicable expression vector, the isolated DNA according to claim 3 or 4, to thereby obtain a

replicable recombinant DNA having said replicable expression vector and, operably inserted therein, said DNA;

(b) transforming cells of a microorganism or cell culture with said replicable recombinant DNA to form transformants;

(c) selecting said transformants from parent cells of the microorganism or cell culture; and

(d) culturing said transformants, causing said transformants to express said DNA and produce a protein on the cell surface of said transformants.

11-24. (canceled without prejudice)